

SEQUENCE LISTING

<110> University of South Florida

<120> Cellular Delivery of Natriuretic Peptides

<130> USF-180XC1 PCT

<150> 60/319,530

<151> 2002-09-06

<160> 17

<170> PatentIn version 3.1

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<211> 1922

<212> DNA

<213> Homo sapiens

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 Glu Pro Leu Gln Glu Ser Pro Arg Pro Thr Gly Val Trp Lys Ser Arg
 65 70 75 80
 Glu Val Ala Thr Glu Gly Ile Arg Gly His Arg Lys Met Val Leu Tyr
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 Thr Leu Arg Ala Pro Arg Ser Pro Lys Met Val Gln Gly Ser Gly Cys
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<213> Homo sapiens

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<213> Canis sp.

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<210> 6

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<212> PRT

<213> Canis sp.

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20          25          30

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Gln Ala Glu Gln Leu Ala Leu Glu Pro Leu His Arg Ser His Ser Pro
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Ala Glu Ala Pro Glu Ala Gly Gly Thr Pro Arg Gly Val Leu Ala Pro
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His Asp Ser Val Leu Gln Ala Leu Arg Arg Leu Arg Ser Pro Lys Met
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Met His Lys Ser Gly Cys Phe Gly Arg Arg Leu Asp Arg Ile Gly Ser
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Leu Ser Gly Leu Gly Cys Asn Val Leu Arg Lys Tyr
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<212> DNA

<213> Homo sapiens

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<212> DNA

<213> Homo sapiens

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<210> 10

<211> 405

<212> DNA

<213> Homo sapiens

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<213> Homo sapiens

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<212> DNA

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<213> Mus musculus

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<212> DNA

<213> Bos taurus

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Asn Ala Asp Leu Met Asp Phe Lys Asn Leu Leu Asp Arg Leu Glu Asp
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```

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Lys Met Pro Leu Glu Asp Glu Ala Val Pro Ser Gln Val Leu Ser Glu
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Gln Asn Glu Glu Ala Gly Ala Pro Leu Ser Pro Leu Ser Glu Met Pro
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```

```

Pro Trp Met Gly Glu Val Asn Pro Ala Gln Arg Glu Gly Gly Val Leu
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Gly Arg Gly Pro Trp Glu Ser Ser Asp Arg Ser Ala Leu Leu Lys Ser
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Lys Leu Arg Ala Leu Leu Thr Ala Pro Arg Ser Leu Arg Arg Ser Ser
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Cys Asn Ser Phe Arg Tyr Arg Arg
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<213> Mus musculus

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Ser Gln Ser Pro Glu Gln Phe Lys Met Gln Lys Leu Leu Glu Leu Ile
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Arg Glu Lys Ser Glu Glu Met Ala Gln Arg Gln Leu Leu Lys Asp Gln
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Gly Leu Thr Lys Glu His Pro Lys Arg Val Leu Arg Ser Gln Gly Ser
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Thr Leu Arg Val Gln Gln Arg Pro Gln Asn Ser Lys Val Thr His Ile
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Ser Ser Cys Phe Gly His Lys Ile Asp Arg Ile Gly Ser Val Ser Arg
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<213> Rattus norvegicus

<400> 20

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Ser Gln Ser Pro Glu Gln Ser Thr Met Gln Lys Leu Leu Glu Leu Ile
 35 40 45

Arg Glu Lys Ser Glu Glu Met Ala Gln Arg Gln Leu Ser Lys Asp Gln
 50 55 60

Gly Pro Thr Lys Glu Leu Leu Lys Arg Val Leu Arg Ser Gln Asp Ser
 65 70 75 80

Ala Phe Arg Ile Gln Glu Arg Leu Arg Asn Ser Lys Met Ala His Ser
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Leu Gly Cys Asp Gly Leu Arg Leu Phe
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<210> 21

<211> 131

<212> PRT

<213> Sus scrofa

<400> 21

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His Leu Leu Leu Leu Gly Cys Arg Ser His Pro Leu Gly Gly Ala Gly
 20 25 30

Leu Ala Ser Glu Leu Pro Gly Ile Gln Glu Leu Leu Asp Arg Leu Arg

35	40	45
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50	55	60
Arg Gln Asp Arg Gly Leu Thr Glu Ala Trp Glu Ala Arg Glu Ala Ala		
65	70	75
Pro Thr Gly Val Leu Gly Pro Arg Ser Ser Ile Phe Gln Val Leu Arg		
	85	90
Gly Ile Arg Ser Pro Lys Thr Met Arg Asp Ser Gly Cys Phe Gly Arg		
	100	105
Arg Leu Asp Arg Ile Gly Ser Leu Ser Gly Leu Gly Cys Asn Val Leu		
	115	120
Arg Arg Tyr		
130		